



PRELIMINARY PROGRAM



# OS/2 PROFESSIONAL INTERCHANGE

**The power of OS/2 2.1  
and IBM LAN systems**

**October 17-20, 1993  
Marriott's Desert Springs Resort & Spa  
Palm Desert, California**

## PRODUCTS TO TAKE HOME

- OS/2 CD-ROM
- WordPerfect 5.2
- Computer Associates OS/2 applications
- Lotus 1-2-3 for OS/2
- Stacker for OS/2
- DeScribe, and many more.



in association with  
**IBM's Independent Vendor League**






**Training executive**  
**Consultant**  
**MIS manager**  
**Technical coordinator**

**Products for Every Registrant**

Every registrant receives: a CD-ROM packed with the latest version of OS/2, a beta version of IBM C++ Set/2, an assortment of LAN software, IBM Communications Manager and more. • Plus, every registrant chooses any one of Computer Associates' hot new OS/2 applications, including: CA-Realizer, CA-Textor, CA-Compete, CA-SuperProject, Simply Accounting or CA-dBFAST. WordPerfect Corporation will provide every registrant with an interactive CD-ROM with WordPerfect 5.2 for OS/2, enhanced with special buttons for tips and tricks, install tutorials, and MIS backgrounders. Plus attendees of Pre-Conference Tutorials will receive complimentary copies of Lotus 1-2-3, DeScribe, and Stacker for OS/2.





# JOURNEY to the OASIS

## INTRODUCTION

OS/2 2.1. Up-to-the-minute. Sharing the power of the phenomenal new version of OS/2 and IBM LAN Systems for business and personal growth.

**Corporate developer**

**Independent programmer**

**Software designer**

**LAN expert**

The accent is on 2.1 and everything you need to know to navigate the new version, LAN and C. If you're a corporate developer, independent programmer, software designer, LAN expert, training executive, consultant, MIS or technical coordinator, this will be the event that prepares you for the challenges of 1994.

**The OS/2 Professional Interchange** gives you that power. In four intensive days at the Marriott's Desert Springs Resort & Spa near Palm Springs, California, October 17-20, 1993, you'll get on the inside track with the people — from IBM and elsewhere — who are shaping the future of OS/2 computing. You'll be a part of seminars and workshops designed by our leading participants, including IBM, Lotus, Computer Associates, and WordPerfect, in an event sponsored by the editors of *OS/2 Professional* magazine in association with IBM's Independent Vendor League.

This is indeed the OS/2 event of the year, highlighted by the First Annual OS/2 Professional Awards recognizing the most important people and products in the OS/2 world.

Registration for The OS/2 Professional Interchange is limited, so do not delay.

**Register Today!** Use the fax form on the inside back cover, or simply call now: 1.800.GET.OS20 (1.800.438.6720).

It's first-come, first serve. Early bird registrants for the **Free** Pre-Conference Tutorial — Sunday, October 17, 1-4 pm. Attendees will gain a thorough grounding in DeScribe, Lotus 1-2-3 and Stacker for OS/2. Complimentary copies of Lotus 1-2-3, DeScribe, and Stacker will be available at the sessions.



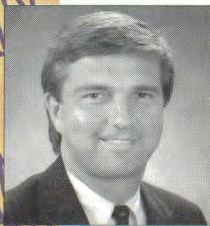
## SPEAKERS PRESENTERS

### KEYNOTE SPEAKER

#### JOHN A. SOYRING

*Director, Software Development Programs  
International Business Machines Corporation*

Mr. Soyring is perhaps the most recognized name in OS/2 software development. As IBM's director of software development programs, Soyring provides guidance and leadership to hundreds of developers and companies around the world who are involved with OS/2-related products. Few are as knowledgeable as he is about not only the technical aspects of OS/2, but future planning. One of the most sought-after lecturers and writers, Soyring serves on the OS/2 Professional Interchange Board of Advisors.



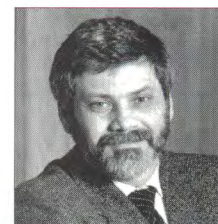
### KEYNOTE SPEAKER

#### EDWIN BLACK

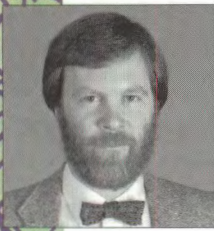
*Editor and Publisher OS/2 Professional*

Mr. Black, editor and publisher of *OS/2 Professional*, has been an investigative reporter for more than 25 years. Nominated for a Pulitzer Prize for a syndicated column, and later for an SDX award by *Playboy*, Black is the recipient of the Smolar Award for commentary and the Rockower Award for public affairs writing. He is the author of the best-selling *Transfer Agreement* (Macmillan), which was nominated for a Pulitzer and won the Carl Sandburg Award for the best non-fiction book of 1984. In 1986, Black became a foreign correspondent in Jerusalem, and was syndicated in 50 US cities. As publisher of *OS/2 Professional*, Black was nominated by the editors of *Inc. Magazine* as "Entrepreneur of the Year."

Soyring  
Black  
Zachmann  
Dvorak







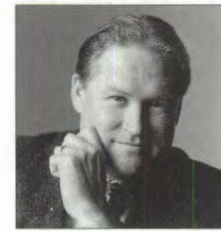
KEYNOTE SPEAKER

**WILLIAM ZACHMANN**

*President, Canopus Research*

Mr. Zachman, an *OS/2 Professional* columnist, is a world-renowned expert on information technology. He covers strategic aspects of computer and communication systems technology, markets and management. Zachmann's analysis of the present period as one of transition into the second era of information systems has been tremendously influential in the industry.

"Downsizing" is just one of the phrases first introduced by Zachmann. A former senior vice president of International Data Corporation, Zachmann has been a well-known columnist for *PC Magazine*, *PC World*, *Computerworld*, *Infoworld*, and *PC Week*. He is a graduate of Harvard College.



KEYNOTE SPEAKER

**JOHN C. DVORAK**

*PC Magazine*

Mr. Dvorak is an illustrious computer columnist and book writer. His columns

**Allran Cadima Crowe**

**Faibish Giangarra Kliwer**

**Kliger Kogan Kramer**

**Levenson Moskowitz**

**Mastrianni Rash Kerr**

**and many more**

appear in the San Francisco Examiner, *PC*

*Magazine*, *MacUser*, *PC*

*Computing*, *Microtimes*

and many more. Dvorak

is an icon in the computer

industry, speaking as an

emcee at industry events

and panels and on his weekly radio show.

He is renowned for his unique view on the computer industry.

**The OS/2 Professional Interchange**

gathers together the top experts from IBM, Lotus, Computer Associates, and WordPerfect, as well as the most acknowledged independent OS/2 consultants in the world. You'll be rubbing shoulders with and hearing from Edwin Black, Ron Cadima, Todd Crowe, David Faibish, Paul Giangarra, Hank Kliwer, Scott Kliger, Michael S. Kogan, Jack Kramer, Steve Levenson, David Moskowitz, Pete Norloff, Wayne Rash, Matt Trask...and many more names to note. People to know.



## SESSION INFORMATION

Customize your agenda from over 90 sessions at **The OS/2 Professional Interchange** — sessions presented by the top experts at IBM, Lotus, Computer Associates, WordPerfect and other independent software developers, consultants and leading proponents of OS/2 today.

**Choose from over 90 sessions All new, all hot**

Interact with the other fast-acting 1,999 individuals who registered early enough to be a part of this pathfinding industry event. • Sessions are designed to give you ample time to drink in the hands-on, educational exhibits from IBM, WordPerfect, Computer Associates, Lotus and more than 70 independent software developers.

### IBM PRESENTATIONS

#### TRACK : APPLICATION DEVELOPMENT

##### ADO1

##### **Application Development Directions**

Learn from OS/2 designers and other experts how to best exploit the wealth of OS/2 features in your 32-bit applications. Specifics on multithreading, advanced graphics, and object-oriented programming using OS/2's advanced System Object Model (SOM) and Workplace Shell are discussed.

*Paul Giangarra, IBM Boca Raton*

##### ADO2

##### **Multithreading OS/2 Applications**

This session covers the use of threads in C++ OS/2 applications, including interthread communications. Get an introduction to threads and their uses, and examine several implementations and debugging examples.

*Monte Copeland, IBM Boca Raton*

##### ADO3

##### **Visual Builders**

Making software easier to create, simpler to use and more reliable are the challenges that object technology is trying to solve. Advanced programming techniques in object technology are also being applied to the user interface of applications. A visual builder is an interactive, visual, WYSIWYG tool, that through the use of object-oriented techniques enables visual layout, connection and selection of application components and choices that define the user interface and behavior of application creation. The Visual Builder gives the user the ability to create application and interfaces without programming knowledge.

*Anthony Brown, IBM Austin*

##### ADO4

##### **Printing from OS/2 Applications**

Get an overview of the OS/2 print subsystem and its architecture. The presentation begins with a brief demonstration, and then explains how to print from a PM application. This includes the standards that should be followed and the considerations for fonts, device independence and network printing. There is a brief summary of other types of OS/2 printing and printer drivers.

*Monte Copeland, IBM Boca Raton*

##### ADO5

##### **Graphical Programming Interface Programming Techniques**

Get an introduction to the graphical programming interface (GPI) of OS/2 Presentation Manager. Take a code tour (In C) of sample code showing practical use of the GPI. Code fragments will include the creation of Deice Contexts (DCs) and Presentation Space (PCs) for displays and printers, use of graphical primitives, techniques for WYSIWYG and device-independent coordinate systems

*Monte Copeland, IBM Boca Raton*



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**TRACK : C AND C++****CC01****IBM C Set ++ for OS/2**

Attend this session and learn, in detail, what enhancements are being made to the IBM C Set/2 Compiler and Workframe/2 Tools. You will also get full details on IBM OS/2 C++ products. This session is a critical update for any OS/2 programmers using or planning to use C or C++.

*Maxine Houghton, IBM Canada*

**CC02****Introduction to IBM C Set ++ Class Libraries**

As part of IBM's C++ offering, a rich set of class libraries are being introduced. Learn the information you need to begin developing applications that use both user interface objects and collection classes. When combined with IBM's C++ compiler, these libraries offer you one of the most powerful and productive ways to produce Workplace Shell applications.

*Paul Holmes, IBM PSP*

**CC03****C Set ++ Optimization Tips and Techniques**

Learn about some useful techniques and tools for tuning the performance of your application. Discuss performance analysis with Execution Trace Analyser (EXTRA); compiler optimizations – what they will and will not do for you and how you can program to take advantage of them; procedure inlining – what happens automatically, and what doesn't; and how to use EXTRA to identify procedures which should be inline.

*Dave Mooney, IBM Canada*

**CC04****Migrating to C Set++**

Discuss migration to 32-Bit C Set/2, including moving from 16-Bit compilers, and 16/32-Bit coexistence in new applications. Learn how to exploit the power of C Set/2 32-Bit architecture while preserving your investment in 16-Bit code.

*Kurt Lichtner, IBM Canada*

**CC05****C Set++ Debugging Tips and Techniques**

Have a look at the evolution of the C Set++ debugger, and hear an overview of its functions, especially those functions which have been added and improved. Get hints for better debugging, tips for debugging special situations, and the IBM product support for this product.

**CC06****Performance Tuning with EXTRA from C Set++**

EXTRA, the C Set++ Execution Trace Analyzer, monitors program execution in close to real time and generates a trace analysis file. Learn how to use EXTRA's utilities for viewing the trace file to fine tune the performance of your application. The utilities help you diagnose sequencing protocols, repetitive calls, application deadlocks, hot spots and thread interactions.

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**TRACK : COMMUNICATIONS****CM01****Communications Manager/2: Installation and Configuration Tips and Techniques (Part 1)**

Get an in-depth look at the new Install and Configure Process for the Communications Manager/2. Learn advanced processes for configuration, as well as how to create and modify configuration files. Discuss a number of the new configuration techniques and many helpful tips. See a demonstration of the new processes provided by Communications Manager/2.

*Don Richards, IBM Raleigh*

**CM02****Communications Manager/2: Installation and Configuration Tips and Techniques (Part 2)**

See CM01. It is recommended that you attend Part 1 of this session before attending Part 2.

**CM03****CICS OS/2 : 32-Bit Client/Server Computing**

The traditional CICS Online transaction processing world has entered the OS/2 Client/Server world. Learn about CICS OS/2 both technically and experientially, including the case histories of several installed users and their use of CICS OS/2

*Jerry Whitmer, IBM Chicago*

**CM04****What's New for APPC in Workstations**

With the rapid acceptance of the Common Programming Interface for Communications (CPI-C) and the dynamics of Advanced Peer-to-Peer Networking (APPN), SNA products are rapidly changing to accommodate the demands of client/server applications. Advanced Program-to-Program Communication (APPC) on workstations becomes more important than ever. Attend this session to learn what IBM is doing for APPC and APPN in the DOS, Windows, OS/2 and AIX environments.

*Mark McCorry, IBM Raleigh*

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**TRACK : DATABASE****DBO1****IBM DB2 Family**

The DB2 Family has grown this year. IBM has shipped DB2/2, the new Relational Database Management System (RDBMS) for OS/2 and will ship DB2/6000 for the AIX environment. See the family of products, how they operate together, and what the future holds. We will focus on interoperability, tools and utilities, and application development from an OS/2 perspective.

*Dan Britton, IBM Canada*



## **DB02**

### **IBM Database 2/2 Client Server Programming**

This presentation builds on session DB01: IBM DB2 Family. We will emphasize the development of client/server applications that access DB2/2 on the LAN as well as IBM host databases, such as DB2. There will also be a special discussion on the clients supported, along with the various communications protocols that tie it all together.

*Grant Zolkavich, IBM Canada*

## **DB03**

### **IBM Distributed Database Connection Services/2**

The connection from OS/2 Database Manager to host databases provided greater access to enterprise data. Distributed Database Connection Services/2 (DDCS) is the means that will enable a wide variety of clients and applications to continue to access that data. Learn what clients and connections are supported, along with application considerations for this environment.

*Jeff Fisher, IBM Canada*

## **DB04**

### **Data Access Services**

Data Access Services are designed to enable application programs running on an OS/2 system to create and use data on a local and/or remote system. Learn about two major components of Data Access Services: the Distributed File Manager and the Record Level Input Output (RLIO) access method. You will also hear about the Distributed File System strategy, file sharing in a heterogeneous network, and the applicability to mixed platforms and protocols.

*Srinu Sista, IBM San Jose*

## **TRACK : DEVICE DRIVERS DEVELOPMENT**

## **DD01**

### **Building Virtual Device Drivers**

Hear an explanation of virtual device driver (VDD) architecture, as well as details of each component's responsibility within the system. We will cover components such as PM display driver, Windows display driver, PM Shield, Windows Shield, and the VWIN Virtual Device driver. We will also discuss other issues such as coordination of off-screen VRAM, Windows cursors and icons in PM, and semaphore processing.

*David A. Kenner, IBM Boca Raton*

## **DD02**

### **Device Driver Development Techniques**

Gain insight into device driver development methodology. We will cover tips and techniques for the design, development and debugging of device drivers. Get the details on how to obtain assistance for problems encountered during development.

*Steve Mastrianni,*

*Independent software developer and author*

## **TRACK : DISTRIBUTED SYSTEMS MANAGEMENT**

## **DM01**

### **IBM Distributed Systems Management: Trends and Directions**

Step One: Make software management and distribution less time consuming and easier to manage! In this presentation, IBM will introduce what their customers are telling them are the requirements to manage a LAN by discussing what they are currently working on as follows:

- a catalog manager from which one may order and install software
- a license manager to track, report and manage licensed software
- a configuration manager to both discover current configurations and plan new configurations
- an installation manager to plan and maintain configuration
- a distribution point which will "fan out" software to be installed
- a fault manager to detect and analyze application errors which have occurred on the LAN and try to "fix" them
- an electronic customer service agent
- a performance manager that can determine performance problems to report them and/or suggest solutions for them
- a repository of software

*Mike Dunn, IBM Austin*

## **DM02**

### **IBM LAN NetView Family Overview**

The LAN NetView Management family of products provides a standards-based platform for the development and implementation of system management applications for the LAN workgroup environment. Hear an overview of LAN NetView Management, highlighting the use of industry standards and implementation of the SystemView structure on the OS/2 platform.

*Derald Cornwell, IBM Austin*

## **DM03**

### **IBM LAN NetView: Integrating Managing Applications with an Object-oriented Topology Display**

The LAN NetView View object-oriented topology display allows network administrators to view each system and resource in the network as an object and to directly manipulate them using drag and drop operations. Application integration is easy using LAN NetView View's SOM-based object-oriented application programming interface (API) and flexible window management system, which automatically handles resizing of window and dialogue components based on changes in fonts or translation of text constants. The API enables management applications to maintain a common look and feel that allows transfer of learning between applications. This presentation focuses on the use of the end-user interface to manipulate network elements and application integration via the API.

*Jerry Malcolm, IBM Austin*



## TRACK : LAN SYSTEM SOLUTIONS

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### LS01

#### OS/2 LAN Server 3.0 Overview

Get an overview of the newest features of the OS/2 LAN Server 3.0 product. The discussion includes how to use facilities built into OS/2 when accessing and working with LAN Server resources. We will discuss the differences between the Entry and Advanced versions of the product. We will also discuss packaging and the "distributed feature" for licensing LAN clients, as well as tools for administration and enhancements to the DOS LAN Requester. Other topics include usability enhancements, OEM interoperability, hardware, software and future product direction.

*Gary Hunt, IBM Austin*

### LS02

#### LAN Systems Peer Capability

The peer service gives a requester some of the capabilities of a server. A requester with the Peer service installed is called a peer server. Just as a network administrator creates shared resources for a server, the owner of a requester with the Peer service installed creates shared resources for a peer server. The Peer service allows the owner of the requester to share resources with other users on the network. This session will explain the OS/2 LAN Server Peer Capabilities and how it is done.

*Gary Hunt, IBM Austin*

### LS03

#### OS/2 LAN Server Tips and Techniques (Part 1)

Learn how to best use the power of the OS/2 LAN Server 3.0. This double session presents useful tips and techniques in simple to complex LAN environments. We will also discuss some of the following LAN server functions and concepts: How to plan and set up LAN Server domains; LAN Server logon; security, aliases; and the functions they enable.

*Gary Hunt, IBM Austin*

### LS04

#### OS/2 LAN Server Tips and Techniques (Part 2)

See LS03. It is recommended that you attend Part 1 of this session before attending Part 2.

### LS05

#### Multi-Protocol Transport Services

Learn about IBM's Multi-Protocol Networking Architecture (MPTN), which lets applications that run atop one transport protocol run on a different protocol. MPTN provides a protocol independent transport interface that defines the Common Transport Semantics (CTS) to facilitate interconnectivity for applications.

*Leo Yeung, IBM Austin*

### LS06

#### NetWare Server for OS/2

NetWare for OS/2 permits a full-functioned NetWare 4.0 Server to operate in the OS/2 environment.

NetWare Server hardware can now be used as a server for other LAN Applications such as IBM Database Manager and Lotus Notes. Attend this presentation and explore the implementation of NetWare for OS/2 and how OS/2 applications can be developed to work in conjunction with the NetWare Server.

*Kyle Bigler, IBM Austin*

## TRACK : MULTIMEDIA

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### MM01

#### Multimedia Trends and Directions

Everyone's talking about multimedia. Now you can get a preview of what the future holds for this exciting, rapidly changing segment of our industry. Take a look at the latest and greatest from the premier multimedia platform, OS/2 as well as future OS/2 plans. We'll also discuss likely directions for Apple, Windows and Unix based multimedia platforms as well as the proposed Information Superhighway.

*Gary Allran, IBM Boca Raton*

### MM02

#### Multimedia Presentation Manager/ 2: 32-bit Support

Get a technical overview of the exciting OS/2 Multimedia support that is now included with OS/2 2.1. The product provides an easy-to-use programming interface for application developers interested in integrating multimedia function into new or existing applications. You will also see demonstrations of MMPM/2 audio support and software video techniques.

*Gary Allran, IBM Boca Raton*

### MM03

#### OS/2 2.1 Software Motion Video

OS/2 2.1 Software Motion Video represents the latest innovations in Multimedia Presentation Manager/2.

These products allow the application developer to integrate quality full-motion digital video without any special video hardware. Discuss software motion video playback, as well as three video capture methods; realtime, streaming and controlled video capture.

You'll also see demonstrations of the products.

*Gary Allran, IBM Boca Raton*

### MM04

#### OS/2 Tools for Multimedia Application Development

Developing a multimedia application often involves a variety of tools. In addition to authoring systems, you may need tools for graphics creation and editing, image capture and editing, and others. Learn about some of the available tools, such as Ultimedia Builder/2, Workplace/2, and Perfect Image/2.

*Peter C. Yanker, IBM Almaden*



## TRACK : OBJECT-ORIENTED TECHNOLOGY

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### 0001

#### **Personal Software Products Vision**

It is increasingly difficult to produce applications that can turn data into information that gives the enterprise a competitive advantage. The promise of Right-Sizing will not materialize until network operating systems present a coherent single system image to users and application developers, and can make the network computing facilities manageable. This is the Personal Software Products Vision. We will introduce the IBM LAN Systems Technical Strategy, and explain its relationship to the Workplace and Object strategies. Learn how the current LAN Systems products evolve into a Workplace Network Operating System Family, which provides a consistent and open application development environment.

*John Wilson, IBM Austin*

### 0002

#### **Personal Systems Object Technology Plans**

Object technology is starting to revolutionize the computer industry by helping to solve its biggest challenge: making software easier to create, simpler to use, and far more reliable. Hear what object technology is available in OS/2 today, as well as directions for the future, including distributed object technology, application frameworks and visual programming tools. Learn about the relationship between OS/2 and Taligent, IBM's joint venture with Apple Computer, Inc.

*Mary Beth Kelley, IBM Austin*

### 0003

#### **SOMobjects Developer Toolkit & Future Directions**

Learn about the recent announcement of the SOMobjects Toolkit, including the current packaging structure. Hear highlevel descriptions of each of the components, and learn the overall strategy and future directions.

*Dinesh Vakharia, IBM Austin*

### 0004

#### **System Object Model (SOM): A Technology for Language-Independent Objects**

SOM is a technology for packaging object-oriented class libraries. It enables language-neutral class libraries, such that a class library can be implemented in one programming language and used from another. SOM also enables the separation of interface from implementation within class libraries, so that changes to the implementation of a class do not require recompilation of client programs. This talk gives an introduction to SOM for programmers familiar with object-oriented concepts (although not necessarily experienced in object-oriented programming). Examples are given in C.

*Liane Acker, IBM Austin*

### 0005

#### **Developing Distributed System Object Model (DSOM) Applications**

Disbributed SOM (DSOM) is a System Object Model (SOM) framework that allows programs to access objects across address spaces, including objects in other processes or on different machines. With DSOM, the location and implementation of an object are hidden from its user (client), and the client accesses the object as if it were local. This talk gives an introduction to writing object-oriented client-server applications using DSOM. Attendees without previous SOM experience should attend the introductory talk on System Object Model (SOM).

*Liane Acker, IBM Austin*

### 0006

#### **Object-Oriented REXX Technology**

This presentation covers the object-oriented extensions to the REXX programming language. Included is a demonstration of the REXX object-oriented technology. The object-oriented REXX extensions are currently only a stated objective for OS/2

*Rick McGuire, IBM Endicott*

### 0007

#### **Distributed Object Architecture: From Databases to Multimedia with DSOM**

DSOM is the crown jewel of IBM's distributed technology. It is the leading production environment for creating CORBA solutions that are platform & language independent (OS/2, AIX, DOS, Windows, Macintosh etc.) DSOM allows developers to widely distribute their value-added in the emerging client-server markets for component-based solutions. DSOM is also a key part of distributed linking and embedding solutions. Mr. Faibish will give examples of DSOM drawn from Intermedia's work with distributed knowledge systems. The impact of DSOM Virtual Reality technology also will be assessed.

*David Faibish, The Intermedia Development Co., Inc.*

## TRACK : OPEN SYSTEMS

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### OP01

#### **An Introduction to OSE Distributed Computing Environment (DCE)**

"What is the Distributed Computing Environment?"

The DCE is a software program which creates a single system image of multiple heterogenous computers. DCE is composed of several parts remote procedure calls (RPC), distributed time service (DTS), distributed file service (DFS), cell directory service (CDS), and security. This presentation examines each part at a high level with emphasis on that part's place in the overall DCE architecture.

*Clay Boyd, IBM Austin*



## **OPO2**

### **The DCE Application Programming Interface**

This presentation looks at each section described in the Introduction to DCE presentation, and answers the question, "how do I write programs using DCE?" We'll examine the Interface Definition Language (IDL) files which define the RPC calls, the programming interface with the CDS name-space from both the client and server perspective, and the security programming interface.

*Clay Boyd, IBM Austin*

## **OPO3**

### **OS/2 LAN Server, Novell, Banyan and TCP/IP Coexistence**

Learn about the support of the coexistence of the OS/2 LAN Requesters, Novell Client for OS/2, Banyan Vines and the TCP/IP protocol services. Hear the details about the Network Device Interface Specification (NDIS): support for multiple protocols, the options for client coexistence based on NDIS, Open Datalink Interface (ODI), and 8022. We will also address the OS/2 and DOS Requester support, as well as the Server support for both NetBIOS and TCP/IP protocols running concurrently. Hear about the configuration process and structure of the LAN Network Information Files (NIF) and the Protocol.ini file.

*Tom Ellis, IBM Austin*

## **OPO4**

### **X-Window System for OS/2**

The X-Window System provides a distributed graphical user interface on multiple platforms. It is the standard windowing system on Unix and VMS systems and is provided by many vendors including IBM, DEC, SUN, and HP. There is even an X server available for the Macintosh! Attend this session for an overview of the X Window System on OS/2. We will discuss the capabilities of the X server implemented on top of PM as well as the toolkit available to write X programs on OS/2 (XLIB, Xt Intrinsics, and Motif).

*Robert Tycast, IBM Boca Raton*

## **TRACK : OS/2: THE SYSTEM**

## **OS01**

### **OS/2 Up-to-the-Minute**

Learn about the latest features of OS/2 2.1, including the 32-Bit Presentation Manager Graphics Engine, new High Resolution "seamless" video display drivers, and Windows 3.1 support. Gain an understanding of the planned enhancements for OS/2 and future IBM operating system strategy.

*David Kerr, IBM Boca Raton*

## **OS02**

### **OS/2 Architecture on the Microkernel**

Gain a detailed understanding of the architecture and functionality of the microkernel-based version of OS/2. Capabilities like portability across multiple hardware platforms, such as RISC and PowerPC, as well as multiprocessor support, built-in security, device drivers, POSIX, procedural frameworks, client/server model, and many other advanced features.

*Paul Giangarra, IBM Boca Raton*

## **OS03**

### **OS/2 System and Application Performance Tuning**

This session features tips and techniques to help programmers develop applications that operate at their best. Learn how to optimize the performance of your applications, including paging, working set, and general programming insights.

*Ron Cadima, IBM Boca Raton*

## **OS04**

### **Customizing the Workplace Shell Using RC Files and REXX**

How to configure the workplace to create your own customized shell, organize your desktop using REXX commands, and other features.

*David A. Kerr, IBM Boca Raton*

## **OS05**

### **OS/2: Platform for the 90s The Future of OS/2**

These presentations describe the future directions and strategy of the OS/2 system in the PC and workstation markets. It discusses the features and functions IBM has already announced for the near-term future, and investigates those that need to be integrated into OS/2 in the intermediate and long-term future. The exploitation and impact of evolving technologies such as multiprocessing, security, multimedia, and open distributed systems are described and clarified relative to the future of OS/2 and its extensions, as well as how OS/2 can meet the cross-platform portability and scalability requirements of the future.

*Dr. Michael S. Kogan, Independent consultant*

## **OS06**

### **OS/2 and Windows NT**

This presentation compares and contrasts the features and functions of OS/2 and Windows NT, and analyzes the strategic and tactical issues that developers and end-users must face when migrating to a 32-bit computing platform. Migration issues such as cross-platform portability and backwards compatibility are investigated from both the end-user and software developer viewpoints. The OS/2 32-bit API is compared and contrasted with the various 32-bit Windows APIs, Win32s, Win32c, and Win32. Also discussed are how OS/2 and Windows are addressing the potential and requirements of RISC computing, multiprocessing, and distributed systems.

*Dr. Michael S. Kogan, Independent consultant*



## **OS07**

### **DOS and Windows Compatibility**

This presentation explains and demonstrates how OS/2 provides binary compatibility with DOS and Windows 3.X modules. Also described is how OS/2 extends the native capabilities of the DOS and Windows 3.X environments with respect to multitasking, memory management, system integrity, and system integration.  
*Dr. Michael S. Kogan, Independent consultant*

## **OTHER PRESENTATIONS**

### **TRACK : COMPUTER ASSOCIATES**

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#### **CA01**

##### **CA-Unicenter**

CA-Unicenter for OS/2 provides a comprehensive solution for managing today's distributed environment. It is a fully integrated policy-based system built on the technologies of CA90s and conforming to the IBM Distributed Systems Management (DSM) initiative. This session discusses the features of CA-Unicenter for OS/2 including security, file back-up, archiving and restoring of files, workload management, problem management, configuration management and console management.

*Dean Williams, Computer Associates International, Inc.*

#### **CA02**

##### **Xbase Development Tools for OS/2**

This session highlights the powerful Xbase development tools for OS/2 available from Computer Associates: CA-dBFast, an object-level application development language, CA-REALIZER, a structured superset of BASIC offering a robust toolset for developing high quality applications, and CA-RET, a visual database report writing and presentation system.

*Dan Sinisi, Computer Associates International, Inc.*

#### **CA03**

##### **CA-REALIZER**

Learn about CA-REALIZER language, a structured superset of BASIC. Discuss topics including enhanced programmable tools, enhanced database and file format support, custom controls, and more.

*Jack Kramer, Computer Associates International, Inc.*

### **TRACK : WORDPERFECT**

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#### **WPO1**

##### **WordPerfect OS/2 Development**

This session will look at the development and future strategy of WordPerfect on the OS/2 platform. Participate in an in-depth discussion on API's, DLL's and the use of the System Object Model as they relate to WordPerfect's development strategy. WordPerfect's patent pending Automatic Document Detection (WP ADD) technology and other Workplace Shell implementation will be covered.

*Leonard Shoell, WordPerfect*

#### **WPO2**

##### **WordPerfect 5.2 for OS/2**

WordPerfect will introduce its native, graphical OS/2 application. Highlights include WorkPlace Shell integration such as Automatic Document Detection and the Drag and Drop features of printing, opening and highlighting target documents. The implementation of QuickFinder, Button Bars and Ruler will also be discussed.

*Troy Monney, WordPerfect*

#### **WPO3**

##### **WordPerfect Office 4.0**

##### **E-Mail is Not Enough Anymore**

WordPerfect Office 4.0 is the first truly-integrated e-mail, calendar and scheduler application that works across all the major desktop operating systems. It also includes task management, notes, forms, automatic message management (via rules), and basic workflow routes. See the OS/2 client and server possibilities of Office 4.0.

*Andrew Ehat, WordPerfect*

### **TRACK : LOTUS**

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#### **LOT01**

##### **Lotus Working Together on OS/2**

In this session you will gain an understanding of Lotus' OS/2 strategy and their product plans for OS/2. Lotus will demonstrate the suite of exciting, new 32-bit Workplace Shell enabled Lotus OS/2 applications. You will also see demonstrations of several of these OS/2 applications. There will be an opportunity for questions and discussion as well. Lotus software will be available at the end of this elective session.

### **TRACK : OS/2 PROFESSIONAL**

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#### **OS/2 Pro 01**

##### **Multimedia in the Corporate Environment**

Making a case for multimedia in the corporate environment. Training implications and marketing aspects that affect the corporate bottom line.

*Hank Kliewer, OS/2 Professional Contributing Writer*



### **OS/2 Pro 02**

#### **Connectivity Challenges in an OS/2 Environment**

How well does OS/2 connect with other major players in the connectivity market. What are the pluses and pitfalls in networking?

*Wayne Rash, OS/2 Professional Contributing Writer*

### **OS/2 Pro 03**

#### **Presentation Manager Animation Techniques**

A discussion of Presentation Manager animation techniques using multiple threads and the Gpi.

*Todd Crowe, OS/2 Professional Contributing Writer*

### **OS/2 Pro 04**

#### **OS/2 Shareware**

Freeware and shareware is an often overlooked resource for OS/2 developers and users. This session will present information on the broad categories of inexpensive or free software available for OS/2. Popular shareware, freeware, and public domain software will be highlighted along with a few items of particular interest to the OS/2 developer.

*Pete Norloff, OS/2 Professional Contributor*

### **OS/2 Pro 05**

#### **User Centric OS/2 Application Design**

OS/2 is a multitasking operating system that encourages user responsiveness. This session focuses on the types of issues and questions developers must face to design OS/2 applications that are responsive to the end-user.

*David B. Moskowitz, OS/2 Professional Contributor*

### **OS/2 Pro 06**

#### **OS/2 for the Windows User**

As a full-time Windows user and columnist for a Windows-oriented publication, Matt Trask became very dependent on Windows for his day-to-day business. With the release of OS/2 2.1, he migrated all his Windows programs to OS/2 to see if he could replace Windows entirely on his system. His experiences will be valuable to any OS/2 user that is interested in running Windows programs under OS/2.

*Matt Trask, OS/2 Professional Contributor*

### **OS/2 Pro 07**

#### **Bringing OS/2 Products to Market**

The release of OS/2 2.0 18 months ago created an opportunity for new players to enter the multi-billion software industry and compete with much larger companies. In this session we'll review the various approaches taken by small and large independent software companies to market their OS/2 application software, including self-publishing from the garage, creating joint ventures, and using existing distribution channels. We'll analyze the success of these approaches and discuss the future for OS/2 application software.

*Steve Levenson, Ornetix*

### **OS/2 Pro 08**

#### **Media Symposium**

Seasoned journalists inside and outside the computer media compare notes on the way computer publications cover the computer field.

*Edwin Black, OS/2 Professional editor and publisher*

*Wayne Rash, OS/2 Professional contributing writer*

*Will Zachmann, OS/2 Professional columnist*

*John C. Dvorak, PC Magazine columnist*

*Jeff Levine, CNN reporter*

*Bob Magnusan, Los Angeles Times business editor*

*Plus press relations representatives from IBM,*

*WordPerfect, and other leading computer vendors.*

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## **TRACK : AUTOTESTER**

### **AUTO1**

For the first time test automation of any application, there is a natural inclination to seek the simplest, fastest route; just record current manual testing processes. However, with the advent of advanced graphical user interfaces and the resulting geometric increase in complexity of the test environment, an advanced testing strategy needs to be implemented.

The solution to these issues is a structured approach to the automated testing of graphical interfaces.

*Linda Hayes, President, AutoTester, Inc.*

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## **TRACK : SOFTBRIDGE, INC.**

### **SOFO1**

The graphical user interface (GUI) and distributed aspects of client/server applications make them popular with developers and end users, but difficult to test.

Traditional, manual testing methods cannot stand up to the idiosyncrasies of GUIs and the complexities of networked applications. Introducing automation to the testing process is the only way to approach client/server testing.

*Tony Kalish, Softbridge, Inc.*





## SPECIAL EVENTS

Poolside on Sunday night you'll meet and mingle with the greatest proponents and developers in the OS/2 world at the opening reception, *Meet me at the Oasis*.

The First Annual OS/2 Professional Awards will celebrate the individuals who've been at the forefront of OS/2 in the past year, the top new products of the year – and some surprise achievements.

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Pick up the products, extras, and souvenirs you need at the *Bazaar*. • Join us on Tuesday night

for our party, "Streets of California," followed by the OS/2 *Gigabyte Games*. And cash in your OS/2 *Chips* – which you'll pick up in every session, event, or activity – by entering

the last-day raffle for a laptop, software, and other valuable products.\* • To win, just put your *Chips* in your pocket and stroll over Wednesday afternoon to the closing session.

**Journey to the Casbah.  
Meet me at the Oasis.  
Applause! Applause!  
at the First Annual  
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**PLEASE NOTE: THE DRESS CODE IS CASUAL. AVERAGE HIGH IN OCTOBER IS 80; AVERAGE LOW IS 65.**

**REGISTER BY AUGUST 2, 1993 AND SAVE \$\$\$\$\$!**

*\* The more OS/2 Chips you earn, the better your chances. To win, you must be present Wednesday afternoon at the closing session. Odds of winning depend on the number of entries received and the number of attendees. Employees of companies donating prizes or those associated with OS/2 Professional are not eligible to win.*



# REGISTRATION FORM



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☐ **YES**, Register me for

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*Interchange events of this type tend to sell out early. To make sure that you'll be flying directly into Palm Springs, and staying at the host hotel, **REGISTER NOW.***

**Cancellation Policy:** Registrations are non-refundable but are transferable to upcoming events.



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*Please note: All events and speakers listed in this offering are current as of presstime and are subject to change as we strive to keep you on top of the rapidly-evolving world of OS/2.*

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